

| | | | | | | | |
|---|--|--|--|---|--|---|--|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Docket Number (Optional) 04457 (3883.00040) | | Application Number 10/749,154 | |
| | | | | Applicant(s) Young et al. | | | |
| | | | | Filing Date December 30, 2003 | | Group Art Unit 2632 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|------|------|-------|----------|-------------------------------|
| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

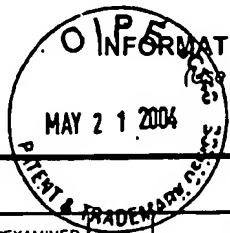
| U.S. PATENT APPLICATION PUBLICATIONS | | | | | | | |
|--------------------------------------|-----|--------------------|---------|-----------------|-------|----------|-------------------------------|
| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| ML | | US 2003/0196495 A1 | 10/2003 | Saunders et al. | 73 | 862.041 | |
| ML | | US 2003/0220766 A1 | 11/2003 | Saunders et al. | 702 | 173 | |
| | | | | | | | |
| | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----|-----------------|------|---------|-------|----------|-------------|----|
| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
| | | | | | | | YES | NO |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| OTHER DOCUMENTS | | | (Including Author, Title, Date, Pertinent Pages, Etc.) |
|-----------------|--|--|--|
| | | | |
| | | | |

| | |
|-------------------------|-----------------------------------|
| EXAMINER Q/ai | DATE CONSIDERED 9/26/05 |
|-------------------------|-----------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



| | | |
|--------------------------------------|---------------|--------------------------|
| ATTY DOCKET NO. 04457(3883.00040) | | SERIAL NO. 10/749,154 |
| Young et al. | | |
| FILING December 30, 2003 | GROUP 2632 | |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
| MVL | 5,404,128 | 04/1995 | Ogino et al. | 340 | 425.5 | |
| | 5,474,327 | 12/1995 | Schousek | 280 | 735 | |
| | 5,570,903 | 11/1996 | Meister et al. | 280 | 735 | |
| | 5,594,222 | 01/1997 | Caldwell | 200 | 600 | |
| | 5,877,677 | 03/1999 | Fleming et al. | 340 | 436 | |
| | 5,890,758 | 04/1999 | Pone et al. | 297 | 15 | |
| | 5,931,254 | 08/1999 | Loraas et al. | 180 | 272 | |
| | 5,931,527 | 08/1999 | D'Onofrio et al. | 297 | 146 | |
| | 5,954,398 | 09/1999 | Namba et al. | 297 | 257 | |
| | 5,975,612 | 11/1999 | Macey et al. | 296 | 66 | |
| | 6,012,007 | 01/2000 | Fortune et al. | 701 | 45 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

| | |
|--------------------|----------------------------|
| EXAMINER A. Lai | DATE CONSIDERED 9/26/05 |
|--------------------|----------------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|-------------------|-------|----------|-------------------------------|
| ML | 6,020,812 | 02/2000 | Thompson et al. | 340 | 438 | |
| | 6,030,038 | 02/2000 | Namba et al. | 297 | 257 | |
| | 6,045,405 | 04/2000 | Geltsch et al. | 439 | 620 | |
| | 6,059,358 | 05/2000 | Demick et al. | 297 | 188.04 | |
| | 6,079,763 | 06/2000 | Clemente | 296 | 65.05 | |
| | 6,089,641 | 07/2000 | Mattarella et al. | 296 | 64 | |
| | 6,102,463 | 08/2000 | Swanson et al. | 296 | 37.15 | |
| | 6,129,168 | 10/2000 | Lotito et al. | 180 | 273 | |
| | 6,129,404 | 10/2000 | Mattarella et al. | 296 | 65.09 | |
| | 6,138,067 | 10/2000 | Cobb et al. | 701 | 45 | |
| | 6,250,671 | 06/2001 | Osmer et al. | 280 | 735 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| |
|--|
| |
| |

EXAMINER

A lai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

04457(3883.00040)

SERIAL NO.

10/749,154

Young et al.

FILING

December 30, 2003

GROUP

2632

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------------|---------|----------------|-------|----------|-------------------------------|
| ML | 6,250,672 | 06/2001 | Ryan et al. | 280 | 735 | |
| | 6,323,444 | 11/2001 | Aoki | 177 | 144 | |
| | 6,342,683 | 01/2002 | Aoki et al. | 177 | 144 | |
| | US 2002/0056975 A1 | 05/2002 | Yoon et al. | 280 | 735 | |
| | 6,394,490 | 05/2002 | Osmer et al. | 280 | 735 | |
| | US 2002/0079728 A1 | 06/2002 | Tame | 297 | 344.1 | |
| | 6,422,595 | 07/2002 | Breed et al. | 280 | 735 | |
| | US 2002/0098730 A1 | 07/2002 | Babala et al. | 439 | 248 | |
| | 6,457,545 | 10/2002 | Michaud et al. | 180 | 272 | |
| | 6,474,739 | 11/2002 | Lagerweij | 297 | 341 | |
| | 6,476,514 | 11/2002 | Schondorf | 307 | 10.1 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A lai

DATE CONSIDERED

5/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--------------------|---------|------------------|-------|----------|-------------------------------|
| ML | US 2002/0195807 A1 | 12/2002 | Ishida | 280 | 735 | |
| | 6,506,069 | 01/2003 | Babala et al. | 439 | 248 | |
| | US 2003/0040858 A1 | 02/2003 | Wallace | 701 | 45 | |
| | US 2003/0071479 A1 | 04/2003 | Schaller et al. | 296 | 136 | |
| | US 2003/0090133 A1 | 05/2003 | Nathan et al. | 297 | 217.3 | |
| | US 2003/0106723 A1 | 06/2003 | Thakur et al. | 177 | 144 | |
| | US 2003/0111276 A1 | 06/2003 | Kajiyama | 177 | 144 | |
| | 6,605,877 | 08/2003 | Patterson et al. | 307 | 10.1 | |
| | 6,609,054 | 08/2003 | Wallace | 701 | 45 | |
| | US 2003/0164715 A1 | 09/2003 | Lester | 324 | 661 | |
| ✓ | US 2003/0171036 A1 | 09/2003 | Aujla et al. | 439 | 660 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A lai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------------|---------|-------------------|-------|----------|-------------------------------|
| ML | US 2003/0189362 A1 | 10/2003 | Lichtinger et al. | 297 | 217.3 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A/ai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|----------------------|-------|----------|-------------------------------|
| ML | 5,413,378 | 05/1995 | Steffens, Jr. et al. | 280 | 735 | |
| | 5,485,000 | 01/1996 | Schneider | 235 | 494 | |
| | 5,653,462 | 08/1997 | Breed et al. | 280 | 735 | |
| | 5,694,320 | 12/1997 | Breed | 364 | 424.055 | |
| | 5,731,781 | 03/1998 | Reed | 342 | 135 | |
| | 5,739,757 | 04/1998 | Gioutsos | 340 | 667 | |
| | 5,748,473 | 05/1998 | Breed et al. | 364 | 424.055 | |
| | 5,810,392 | 09/1998 | Gagnon | 280 | 735 | |
| | 5,822,707 | 10/1998 | Breed et al. | 701 | 49 | |
| | 5,829,782 | 11/1998 | Breed et al. | 280 | 735 | |
| ↓ | 5,835,613 | 11/1998 | Breed et al. | 382 | 100 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|-----------------|---------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| ML | EP 0 689 967 A1 | 03/1996 | Europe | | | | ✓ |
| ↓ | WO 98/41424 | 03/1997 | WIPO | | | | ✓ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A Lai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|---------------|-------|----------|-------------------------------|
| ML | 5,848,802 | 12/1998 | Breed et al. | 280 | 735 | |
| | 5,901,978 | 05/1999 | Breed et al. | 280 | 735 | |
| | 5,943,295 | 08/1999 | Varga et al. | 367 | 99 | |
| | 5,971,432 | 10/1999 | Gagnon et al. | 280 | 735 | |
| | 6,027,138 | 02/2000 | Tanaka et al. | 280 | 735 | |
| | 6,039,139 | 03/2000 | Breed et al. | 180 | 271 | |
| | 6,043,743 | 03/2000 | Saito et al. | 340 | 562 | |
| | 6,056,079 | 05/2000 | Cech et al. | 180 | 273 | |
| | 6,078,854 | 06/2000 | Breed et al. | 701 | 49 | |
| | 6,081,757 | 06/2000 | Breed et al. | 701 | 45 | |
| ✓ | 6,088,640 | 07/2000 | Breed | 701 | 45 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A. Lai

DATE CONSIDERED

3/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|----------------|-------|----------|-------------------------------|
| <i>mv</i> | 6,101,436 | 08/2000 | Fortune et al. | 701 | 45 | |
| | 6,116,639 | 09/2000 | Breed et al. | 280 | 735 | |
| | 6,134,492 | 10/2000 | Breed et al. | 701 | 49 | |
| | 6,141,432 | 10/2000 | Breed et al. | 382 | 100 | |
| | 6,168,198 | 01/2001 | Breed et al. | 280 | 735 | |
| | 6,186,537 | 02/2001 | Breed et al. | 280 | 735 | |
| | 6,220,627 | 04/2001 | Stanley | 280 | 735 | |
| | 6,234,519 | 05/2001 | Breed | 280 | 735 | |
| | 6,234,520 | 05/2001 | Breed et al. | 280 | 735 | |
| | 6,242,701 | 06/2001 | Breed et al. | 177 | 144 | |
| <i>V</i> | 6,253,134 | 06/2001 | Breed et al. | 701 | 49 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A. Lai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-------------------|---------|----------------|-------|----------|-------------------------------|
| ML | RE37,260 | 07/2001 | Varga et al. | 367 | 99 | |
| | 6,254,127 | 07/2001 | Breed et al. | 280 | 735 | |
| | 6,270,116 | 08/2001 | Breed et al. | 280 | 735 | |
| | 6,279,946 | 08/2001 | Johnson et al. | 280 | 734 | |
| | 6,283,503 | 09/2001 | Breed et al. | 280 | 735 | |
| | 6,324,453 | 11/2001 | Breed et al. | 701 | 45 | |
| | 6,325,414 | 12/2001 | Breed et al. | 280 | 735 | |
| | 6,330,501 | 12/2001 | Breed et al. | 701 | 49 | |
| | US 2002/0003345A1 | 01/2002 | Stanley et al. | 280 | 735 | |
| | 6,353,394 | 03/2002 | Maeda et al. | 340 | 667 | |
| | 6,393,133 | 05/2002 | Breed et al. | 382 | 100 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A lai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
04457(3883.00040)

SERIAL NO.
10/749,154

Young et al.

FILING
December 30, 2003

GROUP
2632

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|---------------|-------|----------|-------------------------------|
| ML | 6,397,136 | 05/2002 | Breed et al. | 701 | 45 | |
| | 6,407,347 | 06/2002 | Blakesley | 177 | 144 | |
| | 6,412,813 | 07/2002 | Breed et al. | 280 | 735 | |
| | 6,416,080 | 07/2002 | Gillis et al. | 280 | 735 | |
| | 6,442,465 | 08/2002 | Breed et al. | 701 | 45 | |
| | 6,442,504 | 08/2002 | Breed et al. | 702 | 173 | |
| | 6,445,988 | 09/2002 | Breed et al. | 701 | 45 | |
| ✓ | 6,452,870 | 09/2002 | Breed et al. | 367 | 99 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | |
| | | | |

EXAMINER

A Lai

DATE CONSIDERED

9/26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.